

APPLICANT(S): IDDAN, Gavriel J. et al.
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AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

- 1-11. (Cancelled)
12. (Previously Presented) The device of claim 39 comprising an illumination unit to produce illumination in proportion to a signal from the pressure gauge.
- 13-26. (Cancelled)
27. (Previously presented) The system of claim 37, further comprising:
a receiving unit to receive pressure data from an in-vivo device; and
a controller to analyze the pressure data and to determine a location of the in-vivo device based on said pressure data.
28. (Cancelled)
29. (Cancelled)
30. (Previously Presented) The method of claim 38, further comprising:
receiving pressure data from said swallowable imaging device;
analyzing the pressure data; and
determining a location of the swallowable imaging device based on said pressure data.
- 31-36. (Cancelled)
37. (Currently Amended) A system for collecting and displaying in vivo data, the system comprising:
[[an]] a swallowable in vivo imaging device according to claim 39 for collecting in vivo images and in vivo pressure data, said device comprising:
a housing including an optical dome, a shell, and a pliant sleeve surrounding said shell, said pliant sleeve defining a space between the shell and the pliant sleeve, said space being filled with a fluid,
an imaging system enclosed in said housing behind said optical dome, and
a pressure gauge in contact with the fluid in said space between the shell and the pliant sleeve; and

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a display to display in vivo pressure data provided by said device simultaneously with corresponding in-vivo images provided by the device, wherein said pressure data displayed is relevant to a capture time of the image displayed simultaneously.

38. (Currently Amended) A method for collecting and displaying in-vivo data from a GI tract, the method comprising:
- measuring in the GI tract hydrostatic pressure in a pliant sleeve filled with fluid, said sleeve surrounded by a shell of a swallowable imaging device;
 - collecting image data by said swallowable imaging device to produce an image of the GI tract; and
 - simultaneously displaying in-vivo pressure data and said image, wherein said pressure data displayed is relevant to a capture time of the simultaneously displayed image.
39. (Cancelled)
40. (Currently Amended) The ~~device~~ system of claim [[39]] 37 further comprising a transmitter to transmit in vivo pressure data.
41. (Currently Amended) The ~~device~~ system according to claim [[39]] 37 wherein the fluid is a liquid.
42. (Currently Amended) The ~~device~~ system according to claim [[39]] 37 wherein the imaging system comprises an imager, illumination elements to illuminate an in vivo area and an optical element to focus reflected light onto the imager.
43. (Currently Amended) The ~~device~~ system according to claim 42 wherein the optical dome is a barrier to body fluids.
44. (Currently Amended) The ~~device~~ system according to claim 41 wherein said liquid is dielectric liquid.
45. (Currently Amended) The ~~device~~ system according to claim 44 wherein said pressure gauge is immersed in said dielectric liquid.
45. (Currently Amended) The ~~device~~ system according to claim 44 wherein at least one element of said device is immersed in said dielectric liquid.
46. (Currently Amended) The ~~device~~ system according to claim [[39]] 37 wherein said pressure gauge is attached to said shell.

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47. (Currently Amended) The ~~device~~ system according to claim [[39]] 37 wherein said pressure gauge is attached to said pliant sleeve.